**DECLARATION FOR PATENT APPLICATION**

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

FRAGMENTATION-BASED METHODS AND SYSTEMS FOR SEQUENCE VARIATION DETECTION AND DISCOVERY

the specification of which

- ☐ is attached hereto.
- ☒ was filed by an authorized person on my behalf on November 26, 2003,
Application Serial No. 10/723,365.
- ☐ and as amended in the Preliminary Amended filed with the application.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate listed below and so identified, or §365(a) of any PCT international application that designated at least one country other than the United States of America, listed below, and I have also identified below any foreign application for patent or inventor's certificate or PCT international application on this invention filed by me or my legal representatives or assigns and having a filing date before that of the application on which priority is claimed.

<u>Number</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>	<u>Priority Claimed (Yes or No)</u>
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N/A

I hereby claim benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

<u>Application Serial No.</u>	<u>Filing Date</u>
60/429,895	November 27, 2002

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.Filing DateStatus

N/A

PCT Application No.Filing Date

N/A

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorneys and agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith and request that all correspondence and telephone calls in respect to this application be directed to Stephanie Seidman, HELLER EHRMAN WHITE AND McAULIFFE LLP, 4350 La Jolla Village Drive, 7th Floor, San Diego, California 92122-1246; 858-450-8400:

AttorneyReg. No.

Stephanie Seidman

33,779

David A. Hall

32,233

Dale L. Rieger

43,045

and other members of the firm.

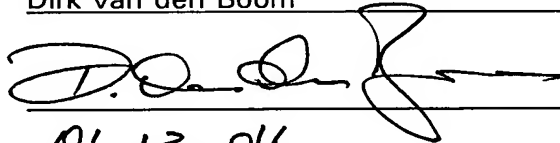
Address for correspondence:

Stephanie Seidman
HELLER EHRMAN WHITE & McAULIFFE LLP
4350 La Jolla Village Drive, 7th Floor,
San Diego, California 92122-1246

Full name of joint inventor:

Dirk van den Boom

Inventor's signature:



Date:

01-13-04

Residence:

386 Nautilus Street
La Jolla, California 92037

Citizenship:

Germany

Full name of joint inventor: Sebastian Boecker

Inventor's signature: S. B. S.

Date: 01/15/2004

Residence: Ravensbergerstr, 52
33602 Bielefeld, Germany

Citizenship: Germany

A S S I G N M E N T

I, DIRK VAN DEN BOOM, a citizen of Germany, residing at 385 Nautilus Street, La Jolla, California 92037, U.S.A., for good and valuable consideration, have assigned and do hereby assign to SEQUENOM, INC., a corporation organized under the laws of Delaware, having a principal business address of 3595 John Hopkins Court, San Diego, California 92121, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/723,365 entitled:

**FRAGMENTATION-BASED METHODS AND SYSTEMS FOR SEQUENCE VARIATION
DETECTION AND DISCOVERY**

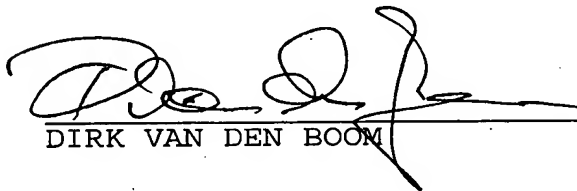
which was filed on November 26, 2003, (applicant's attorney is authorized to enter application number after execution of this document) and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

ASSIGNMENT
van den Boom et al.

Atty Docket No. 24736-2073

I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: 01-13-04

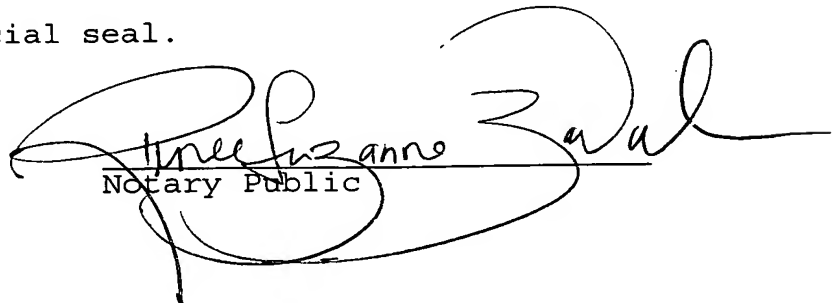

DIRK VAN DEN BOOM

STATE OF California)
COUNTY OF San Diego) SS.

On January 13, 2004, before me, the undersigned, a notary public for the State of California, personally appeared **DIRK VAN DEN BOOM** personally known to me (~~or proved to me on the basis of satisfactory evidence~~) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person or the entity upon behalf of which the person acted executed the instrument.

WITNESS my hand and official seal.




Notary Public

A S S I G N M E N T

I, **SEBASTIAN BOECKER**, a citizen of Germany, residing at Ravensbergerstr, 52, 33602 Bielefeld, Germany, for good and valuable consideration, have assigned and do hereby assign to **SEQUENOM, INC.**, a corporation organized under the laws of Delaware, having a principal business address of 3595 John Hopkins Court, San Diego, California 92121, its successors, assigns and legal representatives, the entire right, title and interest in and to all subject matter disclosed in the application for Letters Patent of the United States Application No. 10/723,365 entitled:

**FRAGMENTATION-BASED METHODS AND SYSTEMS FOR SEQUENCE VARIATION
DETECTION AND DISCOVERY**

which was filed on November 26, 2003, (applicant's attorney is authorized to enter application number after execution of this document) and in and to all Convention and Treaty rights of all kinds, in all countries throughout the world, for all such subject matter, including the right to claim for any such applications any priority rights to which such applications are entitled under international conventions, treaties or otherwise and, in and to, all Letters Patent to be obtained for said subject matter by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(b) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent.

ASSIGNMENT
van den Boom et al.

Atty Docket No. 24736-2073


I agree to do all acts and sign all documents necessary to secure, defend and maintain all said Letters Patent and rights, including any continuations, divisionals, reissues, renewals and extensions, and request issuance of all said Letters Patent to the above Assignee in accordance with this assignment.

DATE: 01/15/04


SEBASTIAN BOECKER

WITNESSED:

DATE: Jan 15, 2004


[SIGNATURE OF WITNESS]

ZSUZANNA LIPTAK
[PRINTED NAME OF WITNESS]

WITNESSED:

DATE: Jan 15, 2004


[SIGNATURE OF WITNESS]

Hans-Michael Kaltenbach
[PRINTED NAME OF WITNESS]